

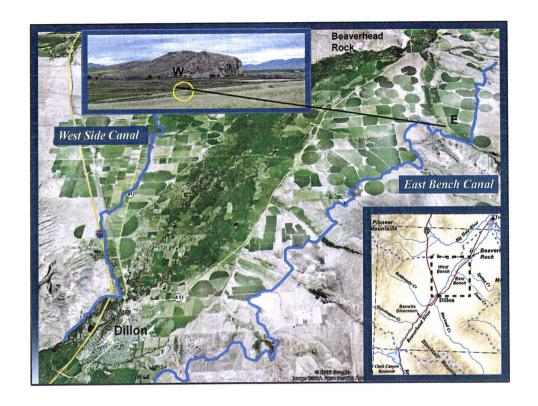
Project Purpose

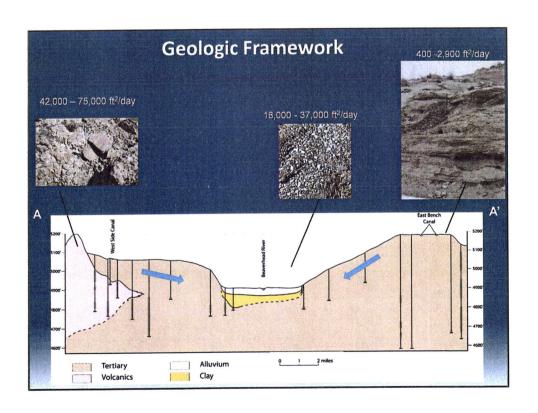
Is groundwater drawdown and stream depletion occurring due to high-capacity irrigation pumping from aquifers?

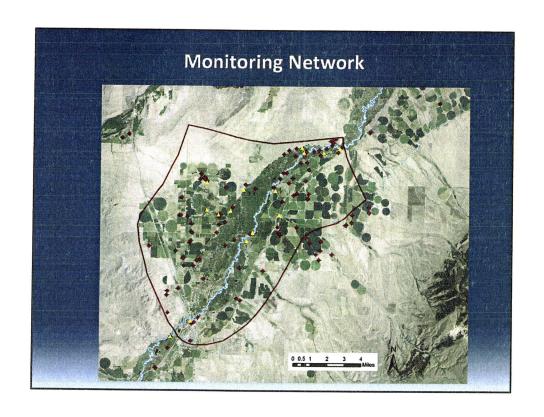
Evaluate possible impacts to sloughs and the Beaverhead River from future groundwater development.

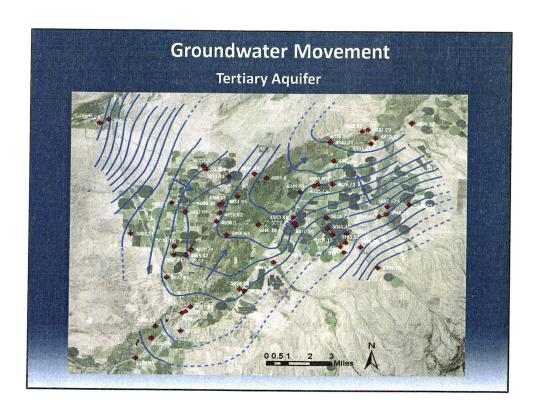
Main Objectives

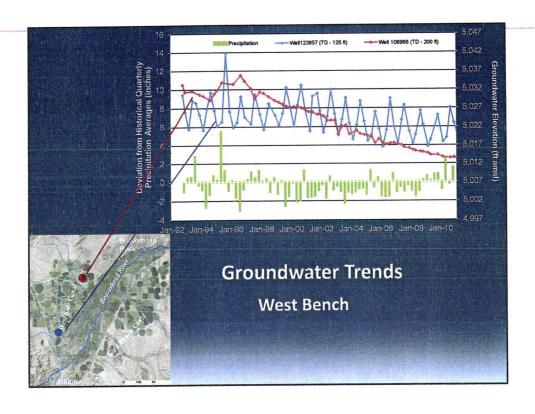
- Groundwater movement and groundwater trends
- Water budget
- Quantify groundwater recharge from canals and irrigated fields
- Groundwater/surface-water interaction
- Evaluate potential stream depletion

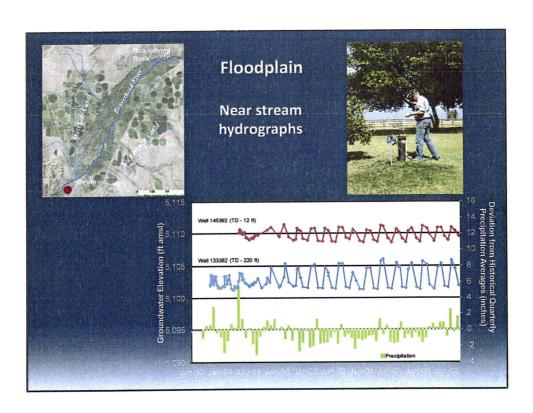


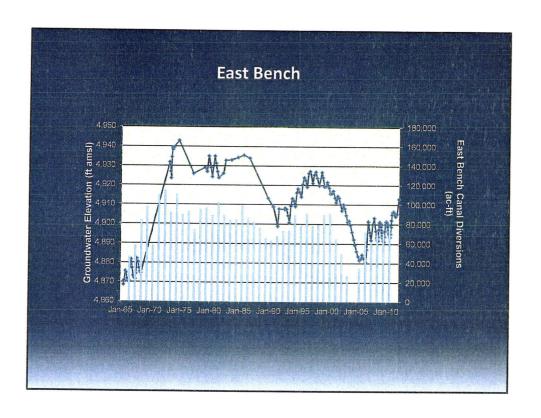


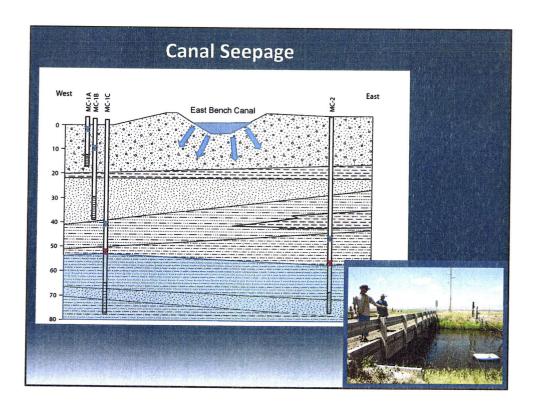


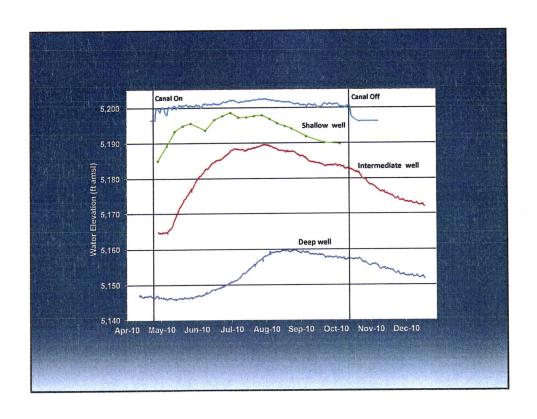


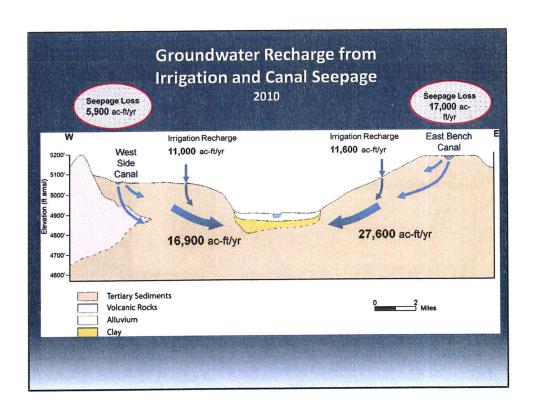


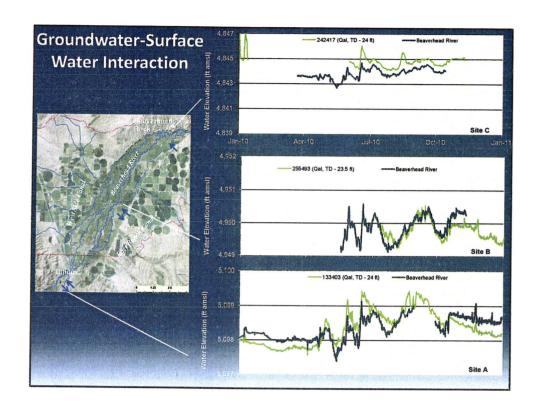


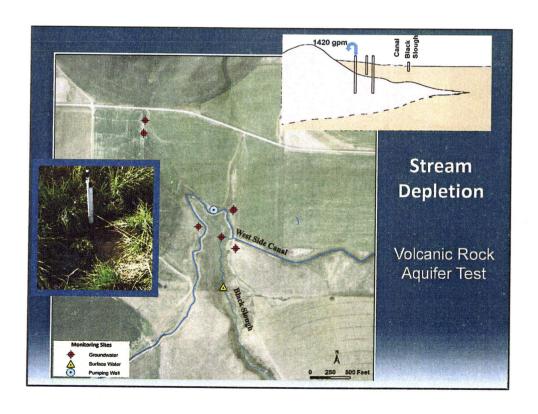




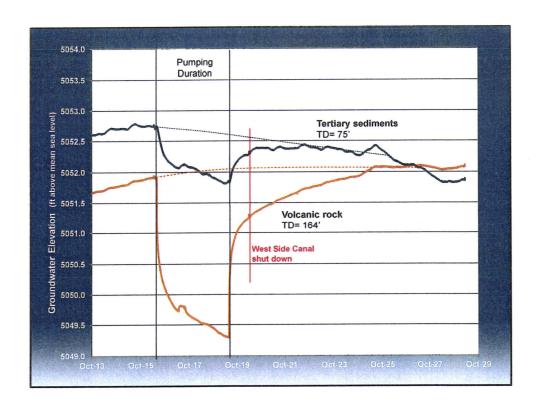


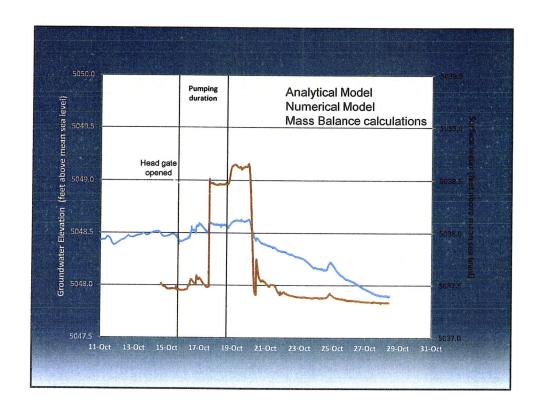


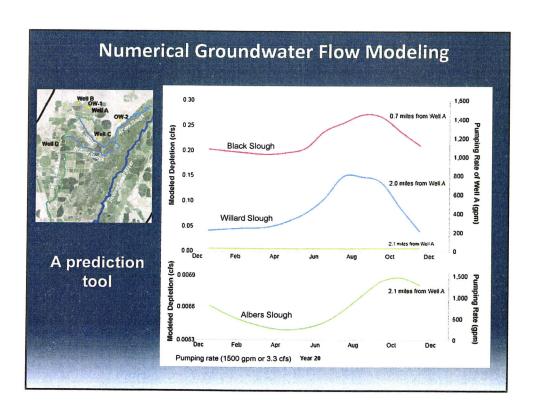


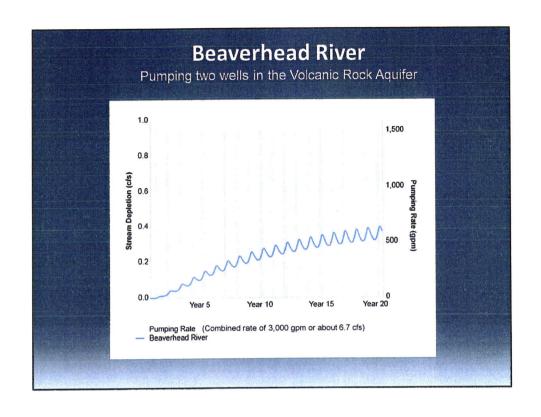


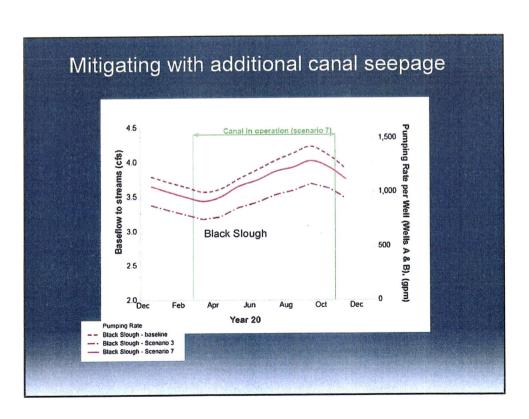
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Summary

- Defined the main aquifers
- Groundwater trends showed no observable long-term pumping effects
- Precipitation is the major inflow and ET is the major outflow
- Irrigation water and canal seepage are a significant source of groundwater recharge
- Groundwater and surface water interact along the Beaverhead River, irrigation return flows recharge the sloughs and the river
- Stream effects were observed during an aquifer test and groundwater modeling indicated long-term impacts

Project report

Acknowledgements